

### Multilayer Ceramic - continued

#### MLCC with Flexible Termination - continued

##### 1206 Case Size

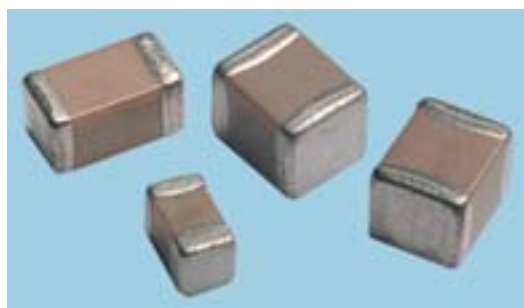
Order Multiple = 5		Price Each	
nF	Mftrs. List No.	Order Code	5+ 50+ 100+ 500+ +
<b>16 Volt d.c. X7R 1206 Case Size</b>			
1000	1206YC105KAZ1A	<a href="#">SMD 756-9599</a>	8.00 7.00 6.00 5.00 --

##### 1812 Case Size

Order Multiple = 5		Price Each	
nF	Mftrs. List No.	Order Code	5+ 50+ 100+ 500+ +
<b>50 Volt d.c. X7R 1812 Case Size</b>			
1000	18125C105KAZ1A	<a href="#">SMD 756-9602</a>	63.00 55.00 48.00 41.00 --

#### High Voltage MLCC

For 500V to 3000V applications



AVX special high voltage MLCC capacitors have high value, low leakage and small size and are designed for applications such as snubbers in high frequency power converters, resonators in SMPS, and high voltage coupling/DC blocking. These high voltage chip designs exhibit low ESRs at high frequencies.

These larger size capacitors require that special precautions be taken in applying them in surface mount assemblies. Apply heat at less than 4°C per second during the preheat (temperature must be within 50°C of the peak temperature reached by the ceramic bodies through the soldering process). Capacitors of case size 1808 and larger should always be used in a reflow solder process.

Operating and storage temperature	-55°C to +125°C
Temperature coefficient	0 ±30ppm/°C dielectric code J
Capacitance measurement	1MHz, 1Vrms
Insulation resistance	≥10 <sup>10</sup>
Proof voltage	2.5 U <sub>n</sub> for 5 secs
Aging characteristic	Zero
Dielectric absorption	0.01%
Dimensions (LxWxH)	1206: 3.2 x 1.6 x 1.52mm, 1210: 3.2 x 2.5 x 1.70mm 1808: 4.57 x 2.03 x 2.03mm, 1812: 4.50 x 3.20 x 2.54mm 2220: 5.7 x 5.0 x 3.3mm

##### 1206 Case Size

Order Multiple = 5		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
<b>500 Volt d.c. COG 1206 Case Size</b>			
47	12067A470JAT2A	<a href="#">SMD 121-6452</a>	10.00 10.00 8.00 6.00
100	12067A101JAT2A	<a href="#">SMD 121-6449</a>	10.00 8.00 7.00 6.00
220	12067A221JAT2A	<a href="#">SMD 121-6450</a>	10.00 10.00 8.00 6.00
330	12067A331JAT2A	<a href="#">SMD 121-6451</a>	11.00 10.00 9.00 7.00
470	12067A471JAT1A	<a href="#">SMD 121-6453</a>	12.00 11.00 10.00 7.00

##### Order Multiple = 5

500 Volt d.c. X7R 1206 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1000	12067C102KAT2A	<a href="#">SMD 121-6455</a>	8.00 8.00 6.00 5.00
1500	12067C152KAT2A	<a href="#">SMD 121-6457</a>	8.00 8.00 6.00 5.00
2200	12067C222KAT2A	<a href="#">SMD 121-6458</a>	8.00 8.00 6.00 5.00
4700	12067C472KAT2A	<a href="#">SMD 121-6459</a>	8.00 8.00 6.00 5.00
10000	12067C103KAT1A	<a href="#">SMD 121-6456</a>	10.00 10.00 8.00 6.00

##### Order Multiple = 5

1000 Volt d.c. COG 1206 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
100	1206AA101JAT2A	<a href="#">SMD 121-6460</a>	10.00 8.00 8.00 6.00
220	1206AA221JAT2A	<a href="#">SMD 121-6461</a>	12.00 11.00 10.00 7.00
470	1206AA471JAT1A	<a href="#">SMD 121-6462</a>	14.00 13.00 10.00 8.00

##### Order Multiple = 5

1000 Volt d.c. X7R 1206 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1000	1206AC102KAT2A	<a href="#">SMD 121-6463</a>	10.00 8.00 7.00 6.00
4700	1206AC472KAT1A	<a href="#">SMD 121-6464</a>	12.00 11.00 10.00 7.00

##### Order Multiple = 5

600 Volt d.c. X7R 1206 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
10000	1206CC103KAT1A	<a href="#">SMD 121-6465</a>	11.00 10.00 9.00 7.00

##### Order Multiple = 5

2000 Volt d.c. X7R 1206 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1000	1206GC102KAT1A	<a href="#">SMD 121-6467</a>	11.00 10.00 9.00 6.00

##### 1210 Case Size

##### Order Multiple = 5

500 Volt d.c. X7R 1210 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1000	12107C102KAT2A	<a href="#">SMD 121-6469</a>	12.00 11.00 10.00 7.00
10000	12107C103KAT1A	<a href="#">SMD 121-6470</a>	16.00 14.00 12.00 10.00

##### Order Multiple = 5

1000 Volt d.c. X7R 1210 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
4700	1210AC472KAT1A	<a href="#">SMD 121-6472</a>	15.00 13.00 12.00 9.00
10000	1210AC103KAT1A	<a href="#">SMD 121-6471</a>	20.00 18.00 14.00 12.00

##### Order Multiple = 5

2000 Volt d.c. X7R 1210 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1000	1210GC102KAT1A	<a href="#">SMD 121-6473</a>	17.00 15.00 14.00 10.00

##### 1808 Case Size

##### Order Multiple = 5

2000 Volt d.c. X7R 1808 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1000	1808GC102KAT1A	<a href="#">SMD 121-6474</a>	27.00 24.00 21.00 16.00

##### 1812 Case Size

##### Order Multiple = 5

1000 Volt d.c. COG 1812 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1000	1812AA102KAT1A	<a href="#">SMD 121-6475</a>	119.00 107.00 90.00 71.00

##### Order Multiple = 5

1000 Volt d.c. X7R 1812 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
4700	1812AC472KAT1A	<a href="#">SMD 121-6477</a>	119.00 107.00 90.00 71.00
22000	1812AC223KAT1A	<a href="#">SMD 121-6476</a>	238.00 213.00 180.00 143.00

##### Order Multiple = 5

2000 Volt d.c. X7R 1812 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1500	1812GC152KAT1A	<a href="#">SMD 121-6479</a>	119.00 107.00 90.00 71.00
2200	1812GC222KAT1A	<a href="#">SMD 121-6481</a>	119.00 107.00 90.00 71.00
4700	1812GC472KAT1A	<a href="#">SMD 121-6482</a>	238.00 213.00 180.00 143.00

##### Order Multiple = 5

3000 Volt d.c. X7R 1812 Case Size		Price Each	
pF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1000	1812HC102KAT1A	<a href="#">SMD 121-6483</a>	119.00 107.00 90.00 71.00

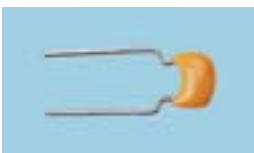
##### 2220 Case Size

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##### Order Multiple = 5

600 Volt d.c. X7R 2220 Case Size		Price Each	
nF	Mftrs. List No.	Order Code	10+ 100+ 500+ 1K+
1000	22201C105KAT1A	<a href="#">SMD 756-9459</a>	255.00 216.00 170.00 128.00

#### MCDR Series



Lead length=25.4min, Lead dia=0.508

- Cost effective dipped radial multilayer ceramic capacitors
- High reliability and performance
- Applications for COG dielectric tuned circuits and filters where low loss and stability are required
- X7R dielectric offers high capacitance values in compact sizes with good stability

- Z5U dielectric can be used in coupling and decoupling applications where change of capacitance with temperature is not important

	COG	X7R	Z5U
Operating Temperature	-55°C to +125°C	-55°C to +125°C	-55°C to +125°C
Temperature coefficient	0±30ppm/°C for C>20pf	±20%	+30% - 80%
Tolerance	±5%	±10%	±20%

N.B. For ease of selection capacitance values are listed in both pF and nF.

Prices are in Thai Baht and exclude 7% VAT. Due to the volatile nature of certain products, prices are subject to change without notice.